Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/20/2022 09:44 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125227	0	1.22	125129	1.19
Blue	F	SSC	125000	124712	-1	2.40	125154	2.18
Blue	E	FITC	13602	13279	-3	2.12	372	13.07
Blue	D	PE	24891	24673	-1	1.56	587	10.08
Blue	B	PerCP-Cy5-5	33972	33315	-2	2.71	952	14.43
Blue	A	PE-Cy7	22865	22677	-1	4.72	473	29.47
Red	C	APC	47198	46932	-1	2.68	1616	11.35
Red	A	APC-Cy7	26454	25536	-4	3.02	720	11.98
Violet	B	V450	6737	6491	-4	3.28	450	10.74
Violet	A	V500	29317	28269	-4	2.86	965	7.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24387	2.10	530	-5	N/A	N/A	Pass
Blue	F	SSC	56120	1.92	515	-6	N/A	N/A	Pass
Blue	E	FITC	55	53.22	483	-1	0.0464	93	Pass
Blue	D	PE	114	37.07	486	0	0.4298	280	Pass
Blue	B	PerCP-Cy5-5	151	40.56	578	-1	0.0213	90	Pass
Blue	A	PE-Cy7	78	78.17	621	0	0.0240	4	Pass
Red	C	APC	338	25.51	572	0	0.0290	181	Pass
Red	A	APC-Cy7	134	34.73	549	-2	0.0069	1626	Pass
Violet	B	V450	78	45.30	445	-5	0.0756	3019	Pass
Violet	A	V500	114	28.24	464	-5	0.0305	719	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/20/2022 09:44 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.87	-31.55	1.09
Blue	20.36	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	15.23	13.90 - 20.86	N/A	N/A	29.95	30.20	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 14027

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments